



BASIC PART NUMBER	THREADS UNJF-3A	ØA	±.005 ØB	ØD	E	H	J	M	N	Q		R		S MIN	U REF	W NOM	X	Y
										MAX	MIN	MAX	MIN					
BE1214-3	.1900-32	.375	.169	.250	.130	.260	.100	.090	.047	.050	.040	.025	.015	.110	.04	.2500	.011	.006
BE1214-4	.2500-28	.438	.226	.312	.168	.330	.150	.090	.070	.070	.060	.025	.015	.156	.04	.3125	.013	.006
BE1214-5	.3125-24	.500	.284	.375	.176	.375	.206	.090	.070	.080	.070	.025	.015	.189	.05	.3750	.015	.006
BE1214-6	.3750-24	.562	.346	.438	.184	.422	.260	.090	.070	.100	.090	.025	.015	.215	.05	.4375	.017	.006
BE1214-7	.4375-20	.688	.403	.500	.212	.490	.310	.090	.070	.120	.110	.030	.015	.232	.06	.5000	.019	.006
BE1214-8	.5000-20	.750	.466	.562	.250	.530	.370	.090	.070	.135	.125	.030	.015	.255	.06	.5625	.023	.006
BE1214-9	.5625-18	.812	.525	.625	.290	.590	.370	.090	.070	.150	.130	.030	.015	.298	.07	.6250	.026	.006
BE1214-10	.6250-18	.875	.587	.687	.335	.650	.500	.090	.07	.160	.140	.040	.025	.349	.07	.6875	.028	.008

- MATERIAL: A-286 PER AMS 5737.
- HEAT TREATMENT: 140 KSI ULTIMATE TENSILE STRENGTH.
- FINISH: PLAIN.
- FLUORESCENT PENETRANT INSPECT 100% PER ASTM E 1417, ACCEPTANCE CRITERIA PER SPS-I-650.
- PART NUMBER: BE1214 - 6 H - 30 = .3750-24 X 2.875 ENGINE BOLT, CROSS DRILLED HEAD
 - SEE TABLE FOR GRIP LENGTH AND TOTAL LENGTH
 - "H" DESIGNATES CROSS DRILLED HEAD
NO LETTER DESIGNATES UNDRILLED HEAD
 - FIRST DASH NUMBER DESIGNATES DIAMETER IN SIXTEENTHS
 - BASIC PART NUMBER
- COUNTERSINKING OF DRILLED HOLES AT MANUFACTURER'S OPTION.
- CHAMFER "U" PLUS INCOMPLETE THREADS NOT TO EXCEED TWO PITCHES.
- REFERENCE DIMENSIONS ARE FOR DESIGN PURPOSES ONLY AND ARE NOT AN INSPECTION REQUIREMENT.
- DIMENSIONS ARE IN INCHES.
- BREAK SHARP EDGES .003/-.015.

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TOLERANCES ±.010 AND ±2' SURFACE ROUGHNESS 125/ UNLESS OTHERWISE NOTED DRAWN: KATHY SCHWARTZ DATE: 5/03/97 APPROVED: S HUTCHINSON DATE: 7/25/97 APPROVED: L KLINE		FSCM NO. 56878	STANDARDS AND SPECIFICATIONS SPS-B-640 APPENDIX 25.1.2
		CUSTODIAN: JENKINTOWN, PA.	PART NUMBER: BE1214 SHEET 1 OF 2 PROJECT 64A50
TITLE BOLT, ENGINE, EXTERNAL WRENCHING 140 KSI MINIMUM TENSILE STRENGTH A-286, APPLICATIONS TO 1200°F			

DASH NUMBER	GRIP +.000 -.060	LENGTH ±.015							
		-3	-4	-5	-6	-7	-8	-9	-10
		.190	.250	.312	.375	.437	.500	.562	.625
012	.000								.750
010	.000						.625	.750	.875
080	.000				.500	.625	.750	.875	1.000
06	.000		.375	.500	.625	.750	.875	1.000	1.125
04	.000	.375	.500	.625	.750	.875	1.000	1.125	1.250
02	.000	.500	.625	.750	.875	1.000	1.125	1.250	1.375
00	.000	.625	.750	.875	1.000	1.125	1.250	1.375	1.500
2	.125	.750	.875	1.000	1.125	1.250	1.375	1.500	1.625
4	.250	.875	1.000	1.125	1.250	1.375	1.500	1.625	1.750
6	.375	1.000	1.125	1.250	1.375	1.500	1.625	1.750	1.875
8	.500	1.125	1.250	1.375	1.500	1.625	1.750	1.875	2.000
10	.625	1.250	1.375	1.500	1.625	1.750	1.875	2.000	2.125
12	.750	1.375	1.500	1.625	1.750	1.875	2.000	2.125	2.250
14	.875	1.500	1.625	1.750	1.875	2.000	2.125	2.250	2.375
16	1.000	1.625	1.750	1.875	2.000	2.125	2.250	2.375	2.500
18	1.125	1.750	1.875	2.000	2.125	2.250	2.375	2.500	2.625
20	1.250	1.875	2.000	2.125	2.250	2.375	2.500	2.625	2.750
22	1.375	2.000	2.125	2.250	2.375	2.500	2.625	2.750	2.875
24	1.500	2.125	2.250	2.375	2.500	2.625	2.750	2.875	3.000
26	1.625	2.250	2.375	2.500	2.625	2.750	2.875	3.000	3.125
28	1.750	2.375	2.500	2.625	2.750	2.875	3.000	3.125	3.250
30	1.875	2.500	2.625	2.750	2.875	3.000	3.125	3.250	3.375
32	2.000	2.625	2.750	2.875	3.000	3.125	3.250	3.375	3.500
34	2.125	2.750	2.875	3.000	3.125	3.250	3.375	3.500	3.625
36	2.250	2.875	3.000	3.125	3.250	3.375	3.500	3.625	3.750
38	2.375	3.000	3.125	3.250	3.375	3.500	3.625	3.750	3.875
40	2.500		3.250	3.375	3.500	3.625	3.750	3.875	4.000
42	2.625		3.375	3.500	3.625	3.750	3.875	4.000	4.125
44	2.750		3.500	3.625	3.750	3.875	4.000	4.125	4.250
46	2.875		3.625	3.750	3.875	4.000	4.125	4.250	4.375
48	3.000		3.750	3.875	4.000	4.125	4.250	4.375	4.500
50	3.125		3.875	4.000	4.125	4.250	4.375	4.500	4.625
52	3.250		4.000	4.125	4.250	4.375	4.500	4.625	4.750
54	3.375		4.125	4.250	4.375	4.500	4.625	4.750	4.875
56	3.500		4.250	4.375	4.500	4.625	4.750	4.875	5.000
58	3.625		4.375	4.500	4.625	4.750	4.875	5.000	5.125
60	3.750		4.500	4.625	4.750	4.875	5.000	5.125	5.250
62	3.875		4.625	4.750	4.875	5.000	5.125	5.250	5.375
64	4.000		4.750	4.875	5.000	5.125	5.250	5.375	5.500
66	4.125		4.875	5.000	5.125	5.250	5.375	5.500	5.625
68	4.250		5.000	5.125	5.250	5.375	5.500	5.625	5.750
70	4.375		5.125	5.250	5.375	5.500	5.625	5.750	5.875
72	4.500		5.250	5.375	5.500	5.625	5.750	5.875	6.000
74	4.625		5.375	5.500	5.625	5.750	5.875	6.000	
76	4.750		5.500	5.625	5.750	5.875	6.000		
78	4.875		5.625	5.750	5.875	6.000			
80	5.000		5.750	5.875	6.000				
82	5.125		5.875	6.000					
84	5.250		6.000						